(Abstract)

In a code division multiple communication system which prevents the dropout of a whole packet and does not require the generation of a carrier from a received signal, under bad communication path, by generating an orthogonal code with chip synchronization from a correlation peak of a synchronization code sequence output from a surface acoustic wave matched filter, a preamble division of a spectrum spread signal is composed of plural synchronization burst. Each synchronization burst is composed of a synchronization packet division having the Barker code of 11 chips and a dummy division. The period of one synchronization burst (T_{burst}) is set equally to the period of one symbol in a data division (T_{symbol}) which is modulated by the orthogonal m-sequential code of 64 chips. When the correlation peak of at least one from among plural synchronization code sequences is detected, the orthogonal code can be generated in accordance with the start timing of the first symbol in the data division.